



```

Db 1381 gtgtacaagtgcgaacactgcccgggtgctcttcttgatcacgtcatgtacacaccacc 1440
Qy 1432 ATGGGCTGCCAGGCTTCCGTGATCCCTTTTGTAGTGCACATGTCGGGTACACAGCCAG 1491
Db 1441 atgggctgccagcgttcctgtatcccttttgagtgcaacatgtgcggtacacagccag 1500
Qy 1492 GACCGGTACGAGTTCCTGTCGACATACACGAGGAGGAGCAGCCGCTTCCACATGAGCTAA 1551
Db 1501 gaccggtacagagttctctgcacataacgcgaggggagcaccgcttccacatgagctaa 1560

RESULT
US-09-442-384B-721
; Sequence 721, Application US/09442384B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashchev, Matvey
; TITLE OF INVENTION: Hematology/Immunology Array
; FILE REFERENCE: CLON-006CIP15
; CURRENT APPLICATION NUMBER: US/09/442,384B
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 830
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 721
; LENGTH: 3629
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 3078
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: 3078
; OTHER INFORMATION: n = A,T,C or G
; US-09-442-384B-721

```

```

Query Match 94.7%; Score 1468.8; DB 5; Length 3629;
Best Local Similarity 97.7%; Pred. No. 0;
Matches 1524; Conservative 0; Mismatches 27; Indels 9; Gaps 3;

```

```

Qy 1 ATGATGCTGACGAGGCTCAAGACATGCTTCTCATCAGGGAAGGAAAGCCCTCTTA 60
Db 169 atggtatgctgagggccaaagacatgtcccaagtttcaggaagaaagcccccctga 228
Qy 61 AGCGATATCTCCAGATGAGGCGGATGAGCCCATGCCGATCCCGAGGACCTCTCCACC 120
Db 229 agcgatactccagatgagggcgatgagcccatgcccagagacatctccaccacc 288
Qy 121 TCGGGAGAGACGAAAGCTCCAGAGTGACAGAGTCTGCGCCAGTAAATGTTAAAGTAGAG 180
Db 289 tcgggagagacagcaagctccaaagtgacagagtcgtgcccagtaattgttaaagtagag 348
Qy 181 ACTCAGAGTGTATGAAGAGAAATGCGCGTGCCTGTGAAATGAATGGGAAAGATGCGGAG 240
Db 349 acccagatgtagaagaaatggcggtgcccgtgcccgtggaatgaatgggaagatgcccag 408
Qy 241 GATTGTACGAATGCTTGTATGCTCGGGAGAGAAATGAATGGCTCCCGAGGAGGACCAAGGC 300
Db 409 gatttacgaatgcttgtgagtcggtgagagaaaaatgaatggtcccccacagggccaaagcc 468
Qy 301 AGCTCGGCTTTGCGGGAGTTGGAGGATTCGACTTCTTAACGGGAAACTTAAAGTGTGAT 360
Db 469 agctcggtttgtcgggagttggaggttggaggttccttaacgagaaactaaagtgtgat 528
Qy 361 ATCTGTGGGATCATTTGTCATCGGCCCAATGTGCTCATGTTTACAAAGAACCCACACT 420
Db 529 atctgtggatcattgtgacggggcccaatgtgtcatgtgttcacaaagaaagccacact 588
Qy 421 GGAGAACGCGCCCTTCCAGTGTCCAGTGCAGTGGCGGCTCTATTACCCAGAGGCAACCTG 480

```

```

Db 301 agctcggtttgtcgggagttgagcattcgacttcttaacggaacactaaagtgtgat 360
Qy 361 ATCTGTGGGATCATTTGTCATCGGCCCAATGTGCTCATGTTTACAAAGAACCCACACT 420
Db 361 atctgtggatcattgtgacggggcccaatgtgtcatgtgttcacaaagaaagccacact 420
Qy 421 GGAGAACGCGCCCTTCCAGTGTCCAGTGCAGTGGCGGCTCTATTACCCAGAGGCAACCTG 480
Db 421 ggaagaacgcccccttcagtgcaatcagtgcggggctcattaccaccagaaagggcaacctg 480
Qy 481 CTCGGGCACATCAAGCTGATTCGCGGGAGAGAGCCCTTCAATGATCCACCTCTGCAACTAC 540
Db 481 ctccggcacatcaagctgattcccggggagagcccttcaaatgccacctgtgcaactac 540
Qy 541 GCCTGCGCGGAGGAGGACCCCTCACTGCGCCACCTGAGGACGCACTCCGTTGGTAAACCT 600
Db 541 gcttgcgcgcggaggacgcccctcactg9ccaccctgag9agcagcactcgttggtaaacct 600
Qy 601 CACAAATGTGGATATTGTGCGGAGCTATAAACAGCGAACGCTCTTTAGAGGAACATATAA 660
Db 601 cacaatgtgatatgtg9cgagcgtataaaacagcgaagctcttttagagaaacataaa 660
Qy 661 GAGCGTGCACAACTACTGTTGAAACATGGGCTTCCGGGCACACTGTACCCAGTCAAT 720
Db 661 gagcgtgcacaaactacttggaaagcatgggcttcccg9gacactgtaccacagtcatt 720
Qy 721 AAAGAAGAACTAAGACACTGAAATGGGAGAGAGAGCTGTGAAGATAGATCAGAGAGA 780
Db 721 aaagaagaactatacaagtgaatggcagaagacctgtgcaagatagatcagagaga 780
Qy 781 TCTCTGCTGTGGACAGACTAGCAAGTAATGTGCGCAACAGTAAGAGCTCTATGCTCAG 840
Db 781 tctctgctgtggacagactagcaagtaacgtgcgcaaacgtaagagctctatgctcag 840
Qy 841 AAATTTCTTGGGCAAGGCGCTGTCGACACGCCCTACGA---CAGTCCCGACGTACGAG 897
Db 841 aaatttcttgggcaagggcctgtccgacacgcccctacgacagcagcagcagcagcag 900
Qy 898 AAGGAGAACGAAATGATGAAGTCCCGATGATGAGCAACGATCAACACGCCATCAAC 957
Db 901 aaggagaacgaatgtagaagtcacacgtgatggaccaagccatcaacacgccaacac 960
Qy 958 TACCTGGGGCGGAGTCCCTGCGCCGCTGCTGACAGAGCCCGCGGCTTCCGAGGTG 1017
Db 961 taccctggggcgagtcctctgcccgtggtgacagcgcgcgcgcgcgcgcgcgcgcgcgc 1020
Qy 1018 GTCCGGTCAATCAGCCCGATGATCAGTGCACA---GGCGCTGGAGGCGCCCGCGC 1074
Db 1021 gtcgggtcactcagcccgatgtaccagctgcacaaagcgcgtcg9gagggcaccccgcgc 1080
Qy 1075 TCAACCACTCGGCGGAGGAGGCGCGTGGAGTACCTGCTGCTGCTCTCAAGGCCAAG 1134
Db 1081 tcaaacactcgccagagcagcgcgcgtg9gagaaactgtctgtctctccaaagccaag 1140
Qy 1135 TTGGTGGCTTCCGAGCGGAGCGCTCCCGAGCAACAGCTGCCAAGACTCCACGGACACC 1194
Db 1141 ttggttccctcgagcgcgagggcgtccccgagcaacagctgtcaagactccacggaacc 1200
Qy 1195 GAGAGCAACAGGAGGAGGCGGAGCGGTCTTATCTACCTGACCAACCACTCGCCCGA 1254
Db 1201 gagagcaaacagagagcagcgcgcgtctcatctacctgacaaaccacatcgccccg 1260
Qy 1255 CGCGCGC---AAGCGGTGTCGCTCAAGGAGGAGGAGCACCAGCGCTACGACCTGCTCGCGCC 1311
Db 1261 cagcgcgcgaacggtctgtcgtcaag9gag9agcaccgcgcctcagacctgtcgcgcgc 1320
Qy 1312 GCCTCGGAGAACTCGCAGGACGCGTTCGCGGTGTCACACACCGGGGAGCAGATGAAG 1371
Db 1321 gcttcgagaaactcgagagcgcgtccgcgtggttcagcaccagcgggagcagatgaag 1380
Qy 1372 GTGTACAAGTGGCAACACTGCGGGGTGCTTCTCTGGAATCAGTCTATGATACCACTCAC 1431

```

Db 589 ggaagacgcccccttcagtgcaatcagtgccggtcattccaccagaaggccaactcg 648  
QY 481 CTCGGGACATCAAGCTGATTCGCGGGAGAAAGCCCTTCAAAATGCCACCTCTCCACTAC 540  
Db 649 ctccggacatcaagctgcatcccgggagagcccttcaaatgcaactctgcaactac 708  
QY 541 GCTGCGCGCGGAGGACCCCTCACTGGCCACCTGAGGACGCATCTCGTTGGTAAACCT 600  
Db 709 gctgcgcgcggagggagccctcactgcccacctgagcagcactccgttggtaaacct 768  
QY 601 CACAAATGTGGATATTGTGGCCGAAGCTATAAACAAGCAAGCAAGCTCTTTAGAGGAACATAAA 560  
Db 769 cacaatgtggatattgfgccgagagctataaacaagcgaagcctctttagaggaacataaa 828  
QY 661 GAGCGCTGCCAACAATCTTGGAAAGCATGGCCCTTCGCGGCACACTGTACCCAGTCAAT 720  
Db 829 gagcctgcacaactacttggaaagcatggccttcggcgacactgtaccagtcatt 888  
QY 721 AAAGAAGAACTAAGCACAGTGAATGCGAAGAACCTGTGCAAGATAGGATCAGAGAGA 780  
Db 889 aaagagaactaatcacagtgaaatgcaagaagacctgtgcaagatagggatcagaga 948  
QY 781 TCTCTCTGCTGGACAGACTAGCAAGTAATGTGCGCAAACTAAGAGCTCTATGCCTCAG 840  
Db 949 tctctcgtcgtcggacagactagcaagtaacgtcgccaaagtaagagctctatgctcag 1008  
QY 841 AAATTTCTTGGGCAAGGGCTGTCCGACACGCCCTACGA---CAGTGCACATAGCAG 897  
Db 1009 aaattctctgggacaagggcctgtccgacacgcccacacagcagcgcagctacag 1068  
QY 898 AAGGAGAAAGTAATGAAGTCCCACTGATGGACCAAGCATCAACACGCCATCAAC 957  
Db 1069 aagdagaaacaaatgatgaatgccacgtgatgaccaagccatcaacaacgcacataac 1128  
QY 958 TACTTGGGGCGGAGTCCCTGCGCCCGCTGGTGAGACGCCCGCGGTTCGAGGGTG 1017  
Db 1129 tacctggggcgagtcctcgcgcgcgtggtgcagacgccccggcggttcccgagtg 1188  
QY 1018 GTCCGGGTCTACGCCCGATGTACCACTGCACA---GGCGCTCGGAGGACCCCGCGC 1074  
Db 1189 gtcccgctcatcagcccgatgtaccagctgcaaaagcgtcggagggcaccgccgcgc 1248  
QY 1075 TCCAACCACTCGGCCAGGACAGCGCGGTGAGTACTGCTGTCTCTCCAAAGGCCAAG 1134  
Db 1249 tcaaacacttcggcccaagagcgcgtgagaaactgctgctctccaaaggccaag 1308  
QY 1135 TTGGTGCCTTCGAGCGCGAGGCGTCCCGAGCAACAGCTGCCAAGCTCCAGGACACC 1194  
Db 1309 ttggtgcctcggagcgcgagggcgtcccgagcaaacagctgtcaagactccacgacacc 1368  
QY 1195 GAGAGCAACACAGGAGGACGCGCAGCGGTCTTATCTACCTGACCAACACATCGCCCGA 1254  
Db 1369 gagagcaacaacagagagcagcagcgggtctctctatcactgacacacacatcgccc 1428  
QY 1255 CGCGCGC---AAGCGCTGTGCTCAAGGAGGAGCACCAGCGCTAGACCTGTGCGCGCC 1311  
Db 1429 cagcgcgcaagcgtgtgctctcaagggagcagcccgccgctacgactcctgctgctg 1488  
QY 1312 GCTTCGAGAACTCGCAGACCGCTCCCGGTGGTCCAGCAGCGGGGAGGAGGATGAAG 1371  
Db 1489 gctcagaaactcgcagcagcgcctccgcgtgtcagcaccagcggggagcagatgaag 1548  
QY 1372 GTGTCAACTCGCAACACTGCGCGGTGCTTCCTGGATCAGTGTACACCATCCAC 1431  
Db 1549 gfgtaaaagtcgaacactgcccgtgtctctctctggtacgctcatgtacacatcac 1608  
QY 1432 ATGGGTGCGCAGGGTTCGGTATCCTTTTGGAGTGCACATGTGCGGGTACACAGCCAG 1491  
Db 1609 atgggtgcacaggttcgtgatccttttggatgcaacaagtggggtacacagcagc 1668  
QY 1492 GACCGGTAGGAGTCTCTGTCGCACATAACGCGGAGGAGCAGCCGCTTCCACATGAGCTAA 1551  
|||||

Db 1669 gaccgggtacaggttctogtcacataacgcgagggagcaccgcttcccatgagctaa 1728  
RESULT 3  
US-10-035-832-1161  
; Sequence 1161, Application US/10035832  
; GENERAL INFORMATION:  
; APPLICANT: Morris, David  
; APPLICANT: Engelhard, Eric  
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER  
; FILE REFERENCE: A-71249/RMS/DCF  
; CURRENT APPLICATION NUMBER: US/10/035,832  
; CURRENT FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: US 09/747,377  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: US 09/798,586  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 1613  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1161  
; LENGTH: 3629  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (3078)..(3078)  
; OTHER INFORMATION: "n" at position 3078 can be any base  
US-10-035-832-1161

Query Match 94.7%; Score 1468.8; DB 6; Length 3629;  
Best Local Similarity 97.7%; Pred. No. 0;  
Matches 1524; Conservative 0; Mismatches 27; Indels 9; Gaps 3;

QY 1 ATGGATGCTGACGAGGGTCAAGACATGCTTTCTCATCAGGGAAGAAAGCCCCCTGTA 60  
Db 169 atggatgctgacgaggggtcaagacatgcttttctcatcagggaaagaaagccccctgta 228  
QY 61 AGCGATCTCCAGATGAGGCGGATGAGCCCATGCCGATGCCGAGGACCTCTCCACACC 120  
Db 229 agcgatctccagatgagggcgatgagcccatgccgagagacctctccaccacc 288  
QY 121 TCGGGAGAGACCAAGCTCCAGAGTCCAGAGTCTGCGGCGAGTCTGCGGCGAGTAAAGTAGAG 180  
Db 289 tcggagagacacaaagctccagagtcacagagtcgtggccagtaattgttaaagtagag 348  
QY 181 ACTCAGATGATGAAGAGATGGCGTGCCTGTGAAATGAATGGGAAGAAATGTGCGGAG 240  
Db 349 actcagatgatgaagagaaatggcggtgctgtgaaatgaatggggaagaatgtcgcgag 408  
QY 241 GATTTACGAATGCTTGATGCTCGGCGGAGAGAAATGAATGCTCCACAGGACCAAGGC 300  
Db 409 gatttaacgaatgcttgatgctcgggagagaaaatgaatgctccacagggagcaagggc 468  
QY 301 AGCTCGGCTTTGTCGGGAGTGGAGGATTCGACTTCTTACGCGAAACATAAAGTGTGAT 360  
Db 469 agctcggctttgtcgggagttggaggcatttcgacttctcaacggaaacataaagtgtg 528  
QY 361 ATCTGTGGATFCAATTCATCGCGGCCCAATGTGCTCATGTTCAAAAAGAGGCACACT 420  
Db 529 atctgtggatcatttgcacgcggcccaatgtgctcatggttcacaaaagagccacact 588  
QY 421 GGAGAAGCGCCCTTCCAGTGCATCTGCGGGGAGCCCTTCAATGCCACCAAGGCAACCTG 480  
Db 589 ggaagaagcggcccttccagtgcaatcagtgcgggcgctcattcccccagaagggcaacctg 648  
QY 481 CTCGGGCACATCAAGCTGCAATTCGGGGAGAGCCCTTCAATGCCACCTCTCCACTAC 540  
Db 649 ctccggcacatcaagctgcaattccggggagagcccttcaaatgcccacctctgcaactac 708  
QY 541 GCCTGCGCGCGGAGGAGCGCCCTCACTGCGCCACTGAGGACGACCTCCGCTTGGTAAACCT 600  
Db 709 gcttcgcgcgcggagggagcgcctcactggccacctgagcagcactccgttggtaaacct 768

RESULT 4  
PCT-US02-099444-258  
; Sequence 258, Application PC/TUS0209944  
; GENERAL INFORMATION:  
; APPLICANT: INCYTE GENOMICS, INC.  
; APPLICANT: DAFFO, Abel  
; APPLICANT: JONES, Anissa L.

Db 538 cagctcggttctgtcggtgaggttcgacttccctaacggagaaactaaagtgtga 597  
QY 360 TATCTGTGGATCATTTGATCGGCCCAATGTGCTCATGTTTCACAAAAGAACACAC 419  
Db 598 tatctgtggatcatttgcacggtcccaaatgtgtcatgtgttcacaaaagaagccacac 657  
QY 420 TGGAGAACCGCCCTTCCAGTGCATTCGCGGGAGAGGCCCTTCAAAATGCCACCTCTGCAACTA 479  
Db 658 tggagaacggccctccagtgcaatcagtcggtggggccctcattcccccagaaggcaacct 717  
QY 480 GCTCCGGCATCATCAAGTGTGATTCGCGGGAGAGGCCCTTCAAAATGCCACCTCTGCAACTA 539  
Db 718 gctccggcacatcaagctgcatctccggggagaaagcccttcaaatgccacctgtcaacta 777  
QY 540 CGCCTGCCCGCGAGGGAGCCCTCACCTGCGCCACTGTAGGAGCGACTCCGTTGTGAACCC 599  
Db 778 cgcctgcgcggagggagccctcacctgcacctgcacctgagagcagcactcgttgtaaac 837  
QY 600 TCACAAATGTGGATATTGTGCGCGAAGCTATAAACAGCGAAGCGTCTTTAGAGGAACATAA 659  
Db 838 tcacaaatgtggatattgtggcggaagctataaacagcgaaagctcttagaggaaacataa 897  
QY 660 AGAGCGCTGCCACACTACTTGGAAAGCATGGGCTTCCGGGGCAGCTGTACCCAGTCAAT 719  
Db 898 agagcgctgcacaaactacttggaaagcatggccttccggggcacactgtaccagtcact 957  
QY 720 TAAAGAGAAACTTAAGCACAGTGAATGGCAGAGAGAGCTGTGCAAGATAGATCAGAGAG 779  
Db 958 taaagaaagaaactaatcaactgaaatggcagagagactgtgcagatagatcagagag 1017  
QY 780 ATCTCTGCTGTGGAGACACTAGCAAGTAATGTGCGCAAAAGTGAAGCTCTATGCTCTCA 839  
Db 1018 atctctgtgtgacagactagcaagtaacgtgcgcaaaagtaagactctatgcctca 1077  
QY 840 GAAATTTCTTGGGACAAAGGCCTGTGCGACACGCCCTTACGA---CAGTGCCACGTACGA 896  
Db 1078 gaaattctgtgggacaaagccgtgtccgacacgcccctacgacagcgcgccagctacga 1137  
QY 897 GAAGGAGAACGAAATGATGAATGCCAGTGTGATGAGCAACCAAGCCATCAACACGCCATCA 956  
Db 1138 gaaggagaaatgatgaagtccacgtgtgtggaacaaagccatcaacacgccaataa 1197  
QY 957 CTACTGGGGGCCGAGTCCCTGCGCCCGCTGTGTCAGACAGCCGCCCGCGGCTTCCGAGGT 1016  
Db 1198 ctactggggcgagtcctcgccgcgcgtgggtcagacgcccccgcggttccagagt 1257  
QY 1017 GGTCCGCTCATACGCGGATGTACCAAGTGCACA---GGCGCTCGAGGGCACCCCGCG 1073  
Db 1258 ggtcccgctcatcgcccgatgtaccagctgcacagctgcacagccctacgacgagcgccacgcg 1317  
QY 1074 CTCAACCACTTCGCGCCAGGACAGCGCGGTGGAGTACCTGTGCTGTCTTCCAAAGGCCAA 1133  
Db 1318 ctcaaacactcgcccgagacagcggtggagaacctgtgtctctctccaaaggccaa 1377  
QY 1134 GTTGGTGGCTCGAGCGCGAGGGCTCCCGAGCAACAGGTGCCAAGACTTCCAGCAAC 1193  
Db 1378 gttggtgcttcgagcgcgagggcggtcccgagcagcagcagctgcacagactccacgagac 1437  
QY 1194 CGAGAGCAACAACGAGGAGCAGCGCTGTATCTACTTACCAACCAACACATCGCCCG 1253  
Db 1438 cgagagcaacaacgagagcgagcggtcccgagcagcagcagctgcacacccacacacac 1497  
QY 1254 ACGCGCGC---AAGCGCTGTGCTCAAGGAGGAGCAGCGCGCTACGACTGTGCGCGC 1310  
Db 1498 gacgcgcgcaagggctgtcgtcgaaggagagacccgcgactacgacctgtcgcgc 1557  
QY 1311 CGCCTCCGAACTCCGAGACCGCTCCCGGTGTGAGACACAGCGGGAGAGAGATGAA 1370  
Db 1558 cgcctccgaaactcgcagagcgctcgcggtggcagcaccagcgggagcagatgaa 1617  
QY 1371 GGTGTAAAGTGCAGACATGCGGGGTGCTTTCCTTGGATCATGTACACCAATCCA 1430  
Db 1618 ggtgtacaagtcgcaaacactgcgggtgtgtcttcttgatcatcgatgtacacatcaa 1677

QY 1431 CATGGCTGCCACGGCTTCGCTGATCCTTTTGTAGTGCAACATGTGGCGCTACACAGCCA 1490  
Db 1678 catgggtgcacggcttcctggtatccttttgagtgcaacatgtgcggtaccacagcca 1737  
QY 1491 GGACCGGTACAGTTCGCTGCGCATATAACGCGAGGGAGCACCGCTTCCACATGAGCTA 1550  
Db 1738 ggaccggtacagttctcgtcgacataacgcgaggggagcaccggtttccacatgagcta 1797  
QY 1551 A 1551  
Db 1798 a 1798

RESULT 5  
US-08-733-622C-16  
; Sequence 16, Application US/08733622C  
; GENERAL INFORMATION:  
; APPLICANT: Georgopoulos, Katia  
; APPLICANT: Morgan, Bruce A.  
; TITLE OF INVENTION: AIOLOS GENE  
; FILE REFERENCE: 10287-03001  
; CURRENT APPLICATION NUMBER: US/08/733,622C  
; CURRENT FILING DATE: 1996-10-17  
; PRIOR APPLICATION NUMBER: US 60/017,646  
; PRIOR FILING DATE: 1996-05-14  
; PRIOR APPLICATION NUMBER: US 60/005,529  
; PRIOR FILING DATE: 1995-10-18  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16  
; LENGTH: 1386  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)....(1383)  
US-08-733-622C-16

Query Match 89.4%; Score 1386; DB 4; Length 1386;  
Best Local Similarity 100.0%; Pred. No. 7e-299;  
Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 166 ATGTTAAAGTGAAGACTCAGAGTGAAGAGAATGGCGTGCCTGTGAAATGAATGGG 225  
Db 1 aatgttaaagttagagactcagagtgatgaagagaatggcggtgcctgtgaaatgaatggg 60  
QY 226 GAAGAAATGTCGGAGGATTTACGAATGCTGATGCTCGGGAGAGAAATGAATGGCTCC 285  
Db 61 gaagaaatgtcgaggagattctacgaatgctgctgcgaggagagaaatgaatggctcc 120  
QY 286 CACAGGACCAAGGAGCTCGGCTTTGTGGGAGTTGAGGCAATTCGACTTCTTAACGGA 345  
Db 121 cacagggaccaaagcgagctcggtttgtcgagggttgagagcattcgcattcctaagcga 180  
QY 346 AAACATAAGTGTGATATCTGTGGGATCATTTGCATTCGCGGCCCAATGTCTCATGTTTCA 405  
Db 181 aaactaaagtgtgatctgtggatcatctgcgcgggccccaa tgtgctcatggttcac 240  
QY 406 AAAAGAAGCCACACTGGAGAGCGCCCTTCCAGTGCATATCAGTGGCGGCTCATTCACC 465  
Db 241 aaagaagacacacgcgagagacgcccccttcagtgcaatcagtgcggggctcattcacc 300  
QY 466 CAGAAGGGCAACCTGCTCCGGCACAATCAAGCTGCAATTCGGGGAGAGAGCCCTTCAAAATGC 525  
Db 301 cagaagggcaacctgtctcggcacatcaagctgcattccggggagagacccctcaaatgc 360  
QY 526 CACCTCTGCAACTAGCCTCGCGCGGAGGAGCGCCCTTACTGGCCACCTGAGGACGAC 585  
Db 361 caccctcgaactacgcctgcgcggaggagcgccccctcactgcccactgagagcgcac 420  
QY 586 TCCGTTGTTAAACCTCAACAATGTGGATTTGTGCCCGAAGCTATATAACACGACGACGTCT 645

Db 421 cccgttgtaaacctcacaatgtggatatgtgcccgaagctataaacgcgaacccct 480  
QY 646 TTAGAGAACATAAAGAGCGCTGCACAACTACTTGTGAAGCATGGCCCTTCGGGGCACA 705  
Db 481 tttagagaaataaagagcgtgcacaaactacttgaaagcatggccctccgggcaca 540  
QY 706 CTGTACCCAGTCATTAAGAAGAACTAAGCACAGTGAATGGCAGAGACCTGTGCAAG 765  
Db 541 ctgtaccacagtcattaaagaagaaactaagcacagtgaattggcagaagacctgtgcaag 600  
QY 766 ATAGATCAGAGATCTCTGCTGTGCACAGACTAGCAAGTAATGTCCGCAACAGTAAG 825  
Db 601 ataggatcagagagatccctcgtcgtgacagagactcagaatgaatgtgcgcaaacgttaag 660  
QY 826 AGCTATGCTCTCAGAAATTTCTTGGGACAAAGGCCCTGTCCGACAGCCCTACGACAGT 885  
Db 661 agctctatgctcagaatctcttggtgggacaaagggcctgtccgacagccctacagagt 720  
QY 886 GCCAGTACGAGAGAGAAAGAAATGATGAAGTCCACAGTGATGGACCAAGCCATCAAC 945  
Db 721 gccacgtacgagaagagaagaaatgatgaagtcccaagtgatggacaaagccatcaac 780  
QY 946 AAGCGCATCAACTACTTGGGGCCGAGTCCCTGCGCCGCTGGTGCGACAGCCGCCCGGGC 1005  
Db 781 aaagccatcaactacctggggcgagtcacctggtggtggcagcgcccgccgggc 840  
QY 1006 GGTTCGAGGTGGTCCGGTCTATAGCCCGATGTACAGAGTGCACAGCGCTCGAGGGC 1065  
Db 841 ggtccaggtgtcccggtatcaagcccgatgtaccagctgcacagcgctcgagggc 900  
QY 1066 AGCCGCGCTCCAAACACTTCGGGCCAGACAGCGCGCTGGAGTACTGCTGCTCTCTCC 1125  
Db 901 acccgctccaaactcggccagagacagcggtggagtaacctgtctgtctcc 960  
QY 1126 AAGGCCAAGTTGGTCCCTCGAGCGCGAGGGTCCCGCGAGCAACAGTGCACAGACTCC 1185  
Db 961 aaggccaaagtgtgctcctcgagcgagggcgtcccgagcaacagctgccaagactcc 1020  
QY 1186 AGCGACACCGAGAGCAACAGAGAGAGCAGCGCGGTCTTATCTACTGACCAACAC 1245  
Db 1021 acgacacacgagagaaacacagagagacgagcggtcttatctacctgaaccaaccac 1080  
QY 1246 ATGCCCCGCGCGCAACAGCGGTGCTGCTCAAGAGAGAGACCGCGCTACGACCTGCTG 1305  
Db 1081 atcgcccgagcgcgcaacgctgtcgtcaagggagagacacggcgctacagacctgtg 1140  
QY 1306 CGCGCGCTCCGAGNACTCGAGGACGCGCTCCGCTGCTCAGCACAGCGGGGAGCAG 1365  
Db 1141 cgcgcgctccgagaactcgagagacgctcccggtggtcgagcaccagcggggagcag 1200  
QY 1366 ATGAAGTGTACAAGTGCAGACACTGCCGGTGTCTTCTGATCATGATGATACACC 1425  
Db 1201 atgaaggtgtacaagtgcgaacactgcgggtgtcttcttgatcactcatgtacacc 1260  
QY 1426 ATCCACATGGGCTGCACCGGCTTCGCTGATCCTTTTGTAGTGAACATGTGGGCTACAC 1485  
Db 1261 atccacatgggtgcacggcttcggtgacatctttttgagtgaaacatgtgcggtaccac 1320  
QY 1486 AGCCAGGCGGTACAGTCTCTGTCGCACATAAAGCGAGGGGAGCACCGCTTCCACATG 1545  
Db 1321 agccagacgggttacagagtctcgtcgacataaacgaggggagcaccgcttccacatg 1380  
QY 1546 AGCTAA 1551  
Db 1381 agctaa 1386

; APPLICANT: Morgan, Bruce A.  
; TITLE OF INVENTION: AIOLOS GENE  
; FILE REFERENCE: 10287-030001  
; CURRENT APPLICATION NUMBER: US/08/733,622C  
; PRIOR FILING DATE: 1996-10-17  
; PRIOR APPLICATION NUMBER: US 60/017,646  
; PRIOR FILING DATE: 1996-05-14  
; PRIOR APPLICATION NUMBER: US 60/005,529  
; PRIOR FILING DATE: 1995-10-18  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 2049  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (223)...(1776)  
US-08-733-622C-18

Query Match 75.7%; Score 1174.8; DB 4; Length 2049;  
Best Local Similarity 87.2%; Pred No. 7e-252;  
Matches 1365; Conservative 0; Mismatches 177; Indels 24; Gaps 6;  
QY 1 ATGGATGCTGACGAGGGTCAAGACATGTCTTCTCATCAGGGAAGAAAGCCCCCTGTA 60  
Db 223 atggatgtcgatgaggggtcaagacatgtcccaagtttcaggaaagagagagagagagtc 282  
QY 61 AGCGATATCCACATGAGGCGGATAGCCCATCGCCATCCCGAGGACCTCTCCACACC 120  
Db 283 agtgcacactccagatgaaggggagatgagccatgctgtccctgagagacctgtccactacc 342  
QY 121 TCGGGAGGACAGCAAGCTCCAAAGAGTGCAGAGTCTGTCGCCAGTAAATTTAAAGTAGAG 180  
Db 343 tctggagcacagcagaactccaagagtgtatgagggatggccagtaattgttaaagttagag 402  
QY 181 ACTCAGAGTATCAAGAGATGGCGTGTGAATGAATGGGGAAGAAATGTGCGGAG 240  
Db 403 actcagagtgaagagaatggcggtgcgtgcgaatgaatgaatggggaagaatgtgcagag 462  
QY 241 GATTACGAATGTTGATGCTCGGGAGAGAAAATGAATGGCTCCACAGGGACCAAGGC 300  
Db 463 gatttacgaatgtgtatgctcctcgagagagaaaatgaatggctccacaggggaccaaagc 522  
QY 301 AGCTCGGCTTTGCGGAGTGTGAGGCAATTCGACTTCTTAACGGAATACTTAAAGTGTGAT 360  
Db 523 agctcggctttgtcagaggttgagggcattcgacttcccttaacggaataactaaagtgtgat 582  
QY 361 ATCTGTGGGATCATTTGCTATCGGGCCCAATGTCTATGTTTACAAAAGAACCCACACT 420  
Db 583 atctgtggatcgtttgtcatcgggcccaatgtgctcatggttcacaaaagaagtcatact 642  
QY 421 GGAGAAGCGCCCTTCCAGTGCATAGTGCGGGGCCCTTATTCACCCAGAGGGCAACCTG 480  
Db 643 ggtgaacgctttccagtgcaaccagctcgtggggcctcttaccacagaaaggaacccctc 702  
QY 481 CTCGGGACATCAAGTGTGATTCGGGGAGAACCCCTTCAATGCCACCTCTGCAACTAC 540  
Db 703 ctgaggacatcaagctgcactcgggtgagaagcccttcaaatgccaatcttgcactat 762  
QY 541 GCCTGCGCGGAGGAGCGCCCTCAGTGCACCTGAGGACGCGACTCGTGGTAAACCT 600  
Db 763 gcttgcgcgcggaggagagccctcaacccgcaactgagagcagcactcctgtgtgtaagcct 822  
QY 601 CACAAATGTGGATATTGTGGCCGGAAGTATAAAGAGGAAAGTCTTTAGAGGACATATAA 660  
Db 823 cacaatgtgatattgtggcggagctataaacagcgaagctcttttagagagagataaa 882  
QY 661 GAGGCTGCCACAACTACTTGGGAAGCATGGGCTTCGGGCGACACTGTACCGAGTCAATT 720  
Db 883 gagcgatgcacaactacttggaaagcatggggccttccgggc---gtgtgccacgactatt 939

RESULT 6  
US-08-733-622C-18  
; Sequence 18, Application US/08733622C  
; GENERAL INFORMATION:  
; APPLICANT: Georgopoulos, Katia















Db 1234 agccaggacaggtacagagttctccatccatccatccacgcg9gggggagcatgcttaccacgtg 1293  
 QY 1546 agc 1548  
 Db 1294 agc 1296

## RESULT 13

US-08-733-622C-19  
 ; Sequence 19, Application US/08733622C  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Georgopoulos, Katia  
 ; APPLICANT: Morgan, Bruce A.  
 ; TITLE OF INVENTION: ALOLOS GENE  
 ; FILE REFERENCE: 10287-030001  
 ; CURRENT APPLICATION NUMBER: US/08/733,622C  
 ; CURRENT FILING DATE: 1996-10-17  
 ; PRIOR APPLICATION NUMBER: US 60/017,646  
 ; PRIOR FILING DATE: 1996-05-14  
 ; PRIOR APPLICATION NUMBER: US 60/005,529  
 ; PRIOR FILING DATE: 1995-10-18  
 ; NUMBER OF SEQ ID NOS: 38  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 19  
 ; LENGTH: 1170  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)...(1170)  
 US-08-733-622C-19

Query Match 37.2%; Score 577; DB 4; Length 1170;

Best Local Similarity 75.4%; Pred. No. 6.2e-119; Indels 147; Gaps 6;

Matches 865; Conservative 0; Mismatches 135; Indels 147; Gaps 6;  
 QY 417 CACTGGAGAACGGCCCTTCCAGTCAATCAGTGGGGGCCCTCATTCACCCAGAGGGCAA 476  
 Db 156 catggtgaacggccttccagtagcaacagctctggggcctcttcccttccagaaagcaa 215  
 QY 477 CTGTCTCGGCACATCAAGCTGCAATTCGGGGAGNAGGCCCTTCAATGCCACCTCTGCAA 536  
 Db 216 cctcctgggacatcaagctgcactgggtgagaagccttcaaatgcaatccttgcaa 275  
 QY 537 CTACGCTTCCCGCGAGGAGCGCCTCAGTGGCCACCTGAGGACGCACTCCGTTGGTAA 596  
 Db 276 ctatgcttgcgcggcggaggagcgcctcaccggccacctgaggagcgcactcc----- 327  
 QY 597 ACCTCACAAATGTGGATATTGTGCGCGAAGCTATAAACAGCGAACGCTTTAGAGGAACA 656  
 Db 328 ----- 327  
 QY 657 TAAAGAGCGCTGCCACAACTACTTGAAGCATGGGCCCTTCGGGACACACTGTACCAGT 716  
 Db 328 -----gt 329  
 QY 717 CATTAAAGAAGAACTAAGCACAGTGAATGGCAGAACCTGTGCAAGATAGGATCAGA 776  
 Db 330 cattaaggaagaactaaccacacagagatggcagaagacctgtgcaagataggagcaga 389  
 QY 777 GAGATCTCTGTGTGGACAGACTAGCAAGTAATGTCCGCCAAAGTAAGAGCTCTATGCC 836  
 Db 390 gaggtccctgtccctggacaggtggcagcaatgtcgccaaacgtaagagctctatgcc 449  
 QY 837 TCAGAAATTTCTTGGGACAGAGGGCTGTGCGACACGCCCTACGACAGTGCACGTACGA 896  
 Db 450 tcagaaattctctggagacaagtgcctgtcgagacatgcccctatgacagtgccaactaga 509  
 QY 897 GAAGGAGACGAAATGATGAAGTCCACGTGATGGACCAAGCCATCAACACGCCATCAA 956  
 Db 510 gaagag---gataatgagacatccacagctgatggaccaggccatcaacaatgccaatcaa 566

QY 957 CTACCTGGGGGCGAGTCCCTGTGCGCCGCTGGTGTGAGAGCGCCCGGGGGTTCGAGGT 1016  
 Db 567 ctactcgggggctgagtcctcgtgcgcccattggtgcagacaccccccggtagctccgaggt 626  
 QY 1017 GGTCCCGGTCAATCAGCCCGATGTACAGTGACAGG---CGCTGGAGGGGACACCCCGGG 1073  
 Db 627 ggtgccagtcacagctccatgtaccagctgcacaagccccctcagatggccccccagc 686  
 QY 1074 CTCCAACCACTGGCCCGCAGGAGCGCGTGGAGTACCTGTGCTCTCCAAAGGCCAA 1133  
 Db 687 gtccaaccattcagcacagga---cgccgtggataaactgtgctgctgcacagggccaa 743  
 QY 1134 GTGTGTGCTCGGAGCGAGCGGTCCCGGAGCAACAGCTGCCAAGACTCCACCGACAC 1193  
 Db 744 gtctgtgtcatcggagcagagagcctccccgagcaacagctgccaagactccacagatac 803  
 QY 1194 CGAGAGCAACAACAGGAGGAGCGAGCGGTCTTATCTACCTGACCAACCACTACGCGCG 1253  
 Db 804 agagagcaacgcggagggaacagcgagcgcccttctacctaaccacacacatcaacc 863  
 QY 1254 ACGCGCGC---AACGCGTGTGCTCAAGGAGGAGCACCGCGCTACGACCTGTGCGCGC 1310  
 Db 864 gcatgcacgaatgggctgtcctcaaggagagcagcgcgctcagaggtgtgctgagggc 923  
 QY 1311 CGCTCCGAGAACTCCGAGGAGCGGCTCCGCGTGTGAGTGTGAGTGTGAGTGTGAGTGT 1370  
 Db 924 ggcctcagagaactcgcagagtgcccttcctgtgtggtcagcagagtggtggagcagtgaa 983  
 QY 1371 GGTGTACAAGTGGAAACACTGCGGGGTGCTCTCTGATGATCAGCTATACACCATCCA 1430  
 Db 984 ggtgtacaagtgcgaacactgcgcgtgctcttccttgatccatccatccacgcggggagcagtcgttacc 1043  
 QY 1431 CATG-----GGCTGCCAGCGCTTCGCTGATCCTTTTGTAGTGTGCAACATGTGCGGTA 1481  
 Db 1044 catggctgccatggctgcacggcttcctgggagtcctttgagtgtaacatgtgtggtta 1103  
 QY 1482 CCACGCCAGGACCGGTAGTGTGCTGCGCATATAACGCGAGGGGAGCAGCGCTTCCA 1541  
 Db 1104 tcacgccaggacaggtacagttctcctcatccatccatccacgcgggggagcagtcgttacc 1163  
 QY 1542 CATGAGC 1548  
 Db 1164 cctgagc 1170

## RESULT 14

US-10-035-832-1157  
 ; Sequence 1157, Application US/10035832  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Morris, David  
 ; APPLICANT: Engelhard, Eric  
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER  
 ; FILE REFERENCE: A-71249/RMS/DCF  
 ; CURRENT APPLICATION NUMBER: US/10/035,832  
 ; CURRENT FILING DATE: 2002-07-22  
 ; PRIOR APPLICATION NUMBER: US 09/747,377  
 ; PRIOR FILING DATE: 2000-12-22  
 ; PRIOR APPLICATION NUMBER: US 09/798,586  
 ; PRIOR FILING DATE: 2001-03-02  
 ; NUMBER OF SEQ ID NOS: 1613  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 1157  
 ; LENGTH: 87977  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: misc.feature  
 ; LOCATION: (2001)...(2048)  
 ; OTHER INFORMATION: "n" at positions 2001 thru 2048 can be any base  
 ; FEATURE:  
 ; NAME/KEY: misc.feature  
 ; LOCATION: (6720)...(7498)



QY	1435	-GGCTGCCACGGCTTCCGTGATCTTTTGTAGTGTCAACAATGTCGGGTACACACGCCAGGA	1493
Db	1014	tggctgcacatgctcttcg99gattcccttctggatgtacacatgtgtgtgttatcacagccagga	1073
QY	1494	CCGGTACGAGTTCCTCGTCGCACATAACCGCAGGGGAGCAACCGCTTCCACATGAGC	1548
Db	1074	caggtacaggtctctatcccatatcacgcggggggagcatcgtttacacactgagc	1128

Search completed: August 28, 2002, 09:59:37  
Job time: 5027 sec